

ABSTRACT OF THE DISCLOSURE

PROCESS FOR THE DIASTEREOSELECTIVE PREPARATION OF OLEFINS VIA  
THE HORNER-WADSWORTH-EMMONS REACTION, COMPRISING AN  
5 ADDITION OF A TRIS(POLYOXAALKYL)AMINE SEQUESTERING AGENT

The invention relates to a process for the diastereoselective preparation of olefins via the Horner-Wadsworth-Emmons reaction, which consists in reacting at low temperature a phosphonate with a carbonyl derivative in the presence of a base in a  
10 suitable solvent, characterized in that a tris(polyoxaalkyl)amine sequestering reagent of formula (I): N-[CHR<sub>1</sub>-CHR<sub>2</sub>-O-(CHR<sub>3</sub>-CHR<sub>4</sub>-O)<sub>n</sub>-R<sub>5</sub>]<sub>3</sub> (I), wherein: n is an integer between 0 and 10; R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> may be identical or different, and represent a hydrogen atom or an alkyl radical containing from 1 to 4 carbon atoms; R<sub>5</sub> represents a hydrogen atom, an alkyl or cycloalkyl radical containing up to 12 carbon atoms, a  
15 phenyl radical or a radical of formula -C $\mu$ H<sub>2</sub> $\mu$ -Φ, or C<sub>m</sub>H<sub>2m+1</sub>-Φ-, with m being an integer between 1 and 12 and Φ being a phenyl radical; is added in an amount that is sufficient to increase the diastereoselectivity of the olefin.